

In re Application of: Ilan Caron
Serial Number: 09/114,231

REMARKS

The Office Action of October 3, 2002 has been carefully considered together with the cited references. In view of the remarks below and the claim amendments as identified above, it is believed that the application is now in condition for allowance.

The Office Action requested copies of the 1998 references from MSDN regarding MSMQ and COM that are cited in page 15 of the application. Applicant has removed the paragraph in the specification referencing those two documents, thereby obviating the need for the Examiner to review those documents. In this regard, it should be noted that those two documents were supposedly dated April 1998 and thus are not prior art references for this invention, as they were after the invention date of this application. Also, in the first Information Disclosure Statement submitted in this application, the first reference ("AA") entitled "Microsoft Message Queuing Services: A Guide to Reviewing Microsoft Message Queuing Services Release 1.0 (1997)" provides relevant information about the Microsoft Message Queuing Services. As a related matter, a total of 6 Information Disclosure Statements, dated August 12, 1999, October 7, 1999, January 17, 2000, March 16, 2000, June 6, 2000, and November 21, 2001, respectively, have been submitted in this application. In the Office Action, however, the Examiner only initialed the list of references submitted with the March 16, 2000 IDS. The Examiner is respectfully requested to initial the references in the other IDS's in the next Office Action to indicate that they have also been considered.

The Office Action objected to claims 13, 20, 21, 31, and 46 under 35 U.S.C. 112, second paragraph as being indefinite. This objection has been rendered moot by the cancellation of the originally pending claims.

In re Application of: Ilan Caron
Serial Number: 09/114,231

The Office Action also rejected all pending claims based on the cited references. Specifically, the Office Action rejected claims 1-13, 15-19, 22-51, 54-66 under 35 U.S.C. 102(b) as anticipated by Priven et al. U.S. Patent 5,327,559. The Office Action further rejected claim 14 under 35 U.S.C. 103(a) as being unpatentable over Priven et al., and claims 20, 21, 52, and 53 as being unpatentable over Priven et al. in view of Bibayan U.S. Patent 5,922,054. Since applicant has canceled originally pending claims 1-66, the rejections in the Office Action based on Priven and Bibayan have been rendered moot.

Applicant has added new claims 67-76. Independent claims 67 and 72 each requires the recipient application to perform the steps of identifying a data element in the unserialized dictionary object that has a data type not recognized by the recipient application, and sending a query to the first message queuing machine to learn about that unknown data type. Support for this claim limitation is found at page 22, lines 15-20 of the specification of the present application. Since this feature of enabling the receiver of the dictionary data object to learn about a unrecognized data type is not taught or suggested in Priven or Bibayan, it is submitted that claims 67 and 72 and their dependent claims should be allowable over these references. Also, the dependent claims are directed to the features of the particular methods of the dictionary object (see, specification p. 21), the use of late binding for referencing dictionary elements in the unserialized dictionary object (see, specification p. 23), and the persistent storage of the message object for message queuing operations (see, specification p. 25-26; FIG. 5A). It is believed that these limitations are also not taught or suggested by the Priven and Bibayan references.

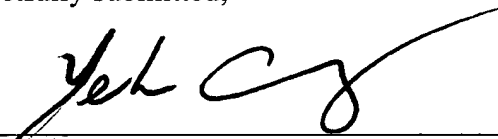
In re Application of: Ilan Caron
Serial Number: 09/114,231

Conclusion:

In view of the foregoing, this application is considered in good and proper form for allowance, and the Examiner is respectfully requested to pass this application to issue.

If, in the opinion of the Examiner, a telephone conference would expedite the prosecution of the subject application, the Examiner is invited to call the undersigned attorney.

Respectfully submitted,



Y. Kurt Chang, Reg. No. 41,397
One of the Attorneys for Applicant
LEYDIG, VOIT & MAYER, LTD.
Two Prudential Plaza, Suite 4900
180 North Stetson
Chicago, Illinois 60601-6780
(312) 616-5600 (telephone)
(312) 616-5700 (facsimile)

Date: April 3, 2003

In re Application of: Ilan Caron
Serial Number: 09/114,231

Appendix A

Claim Amendments

Claims 1-66 originally pending in the application have been canceled.

New claims 67-76 as shown in Appendix B are added.

In re Application of: Ilan Caron
Serial Number: 09/114,231

Appendix B

New Claims 67-76

67. In a message queuing network comprising a first message queuing machine and a second message queuing machine, a method for sending a self-descriptive dictionary object from a sending application to a recipient application, the method comprising the steps of:

the sending application passing the dictionary object to the first message queuing machine to deliver to the second message queuing machine;

the first message queuing machine invoking a method of the dictionary object to serialize the dictionary object;

the first message queuing machine sending the serialized dictionary object in a message object to the second message queuing machine;

the second message queuing machine receiving the message object and instantiating and loading the serialized dictionary object into an unserialized dictionary object;

the second message queuing machine passing the unserialized dictionary object to the recipient application;

the recipient application identifying a data element in the unserialized dictionary object having a data type not recognized by the recipient application; and

the recipient application sending a query to the first message queuing machine to learn about said data type.

68. A method as in claim 67, wherein the query sent by the recipient application is directed to the sending application.

In re Application of: Ilan Caron
Serial Number: 09/114,231

69. A method as in claim 67, wherein the dictionary object includes a lookup method for finding a specified dictionary element in a dictionary contained in the dictionary object and an enumerate method for obtaining a next dictionary element from a given position in the dictionary.

70. A method as in claim 67, further including the step of applying late binding by the recipient application to reference data elements in the unserialized dictionary object.

71. A method as in claim 67, further including the steps of:
determining, by a message queuing server of the first message queuing machine, whether the message object supports persistence;
determining, by the message queuing server, a size of the message object and creating a buffer for persistent storage of the message object.

72. A computer-readable medium having computer-executable instructions for performing steps in a message queuing network comprising a first message queuing machine and a second message queuing machine for sending a self-descriptive dictionary object from a sending application to a recipient application, the steps comprising:
the sending application passing the dictionary object to the first message queuing machine to deliver to the second message queuing machine;
the first message queuing machine invoking a method of the dictionary object to serialize the dictionary object;

In re Application of: Ilan Caron
Serial Number: 09/114,231

the first message queuing machine sending the serialized dictionary object in a message object to the second message queuing machine;

the second message queuing machine receiving the message object and instantiating and loading the serialized dictionary object into an unserialized dictionary object;

the second message queuing machine passing the unserialized dictionary object to the recipient application;

the recipient application identifying a data element in the unserialized dictionary object having a data type not recognized by the recipient application; and

the recipient application sending a query to the first message queuing machine to learn about said data type.

73. A computer-readable medium as in claim 72, wherein the query sent by the recipient application is directed to the sending application.

74. A computer-readable medium as in claim 72, wherein the dictionary object includes a lookup method for finding a specified dictionary element in a dictionary contained in the dictionary object and a enumerate method for obtaining a next dictionary element from a given position in the dictionary.

75. A computer-readable medium as in claim 72, further including computer-executable instructions to perform the step of applying late binding by the recipient application to reference data elements in the unserialized dictionary object.

In re Application of: Ilan Caron
Serial Number: 09/114,231

76. A computer-readable medium as in claim 72, further including computer-executable instructions to perform the steps of:

determining, by a message queuing server of the first message queuing machine, whether the message object supports persistence;

determining, by the message queuing server, a size of the message object and creating a buffer for persistent storage of the message object.